| Index of | Claims |
|----------|--------|
|          |        |

| Application No. | Applicant(s) |   |  |  |  |  |  |  |  |  |
|-----------------|--------------|---|--|--|--|--|--|--|--|--|
| 10/652,640      | ABE, JOHN R. |   |  |  |  |  |  |  |  |  |
| Examiner        | Art Unit     | * |  |  |  |  |  |  |  |  |
| Richard Woo     | 3629         |   |  |  |  |  |  |  |  |  |

|          | Allowed  |
|----------|----------|
| <b>✓</b> | Rejected |

| 1 | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| - | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla                    | im Date   |              |          |  |                 |                |              | Date     |          |           |      |       |          | Date      |          |          |              |  |                         | Date           |           |                |               |            |            | Date            |           |          |        |                 |               | Date           |           |  |  |  |  | Date |  |  |  |  |  | Date |  |  |  |  |  | Claim Date |  |  |  |  |  |  |  |  | Cla | Date |  |  |  |  |  |  |  |  |
|------------------------|-----------|--------------|----------|--|-----------------|----------------|--------------|----------|----------|-----------|------|-------|----------|-----------|----------|----------|--------------|--|-------------------------|----------------|-----------|----------------|---------------|------------|------------|-----------------|-----------|----------|--------|-----------------|---------------|----------------|-----------|--|--|--|--|------|--|--|--|--|--|------|--|--|--|--|--|------------|--|--|--|--|--|--|--|--|-----|------|--|--|--|--|--|--|--|--|
|                        | <u> </u>  | , I.,        |          |  |                 |                |              |          |          |           |      |       | <u> </u> |           |          |          |              |  |                         |                |           |                |               | <u> </u>   |            |                 |           |          |        |                 |               |                |           |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
| Final                  | Original  | 200          |          |  |                 |                |              |          |          |           |      | Final | Original |           |          |          |              |  |                         |                |           |                | Final         | Original   |            |                 |           |          |        |                 |               |                |           |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
| ijĒ                    | )<br>Zriç | 03           |          |  |                 |                |              |          |          |           |      | 這     | Ç.<br>Ç. |           |          |          |              |  |                         |                |           |                | ij            | Orig       |            |                 |           |          |        |                 |               |                |           |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        |           |              |          |  |                 |                |              |          |          |           |      |       | 0        |           |          |          |              |  |                         |                |           |                |               | 0          |            |                 |           |          |        |                 |               |                |           |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 1         | V            |          |  |                 |                |              |          |          |           |      |       | 51       |           |          |          |              |  |                         |                |           | :::::          |               | 101        |            |                 |           |          |        |                 |               |                |           |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 2         |              |          |  |                 |                |              |          |          |           |      |       | 52       |           | _        |          | _ _          |  |                         |                |           |                |               | 102        |            |                 |           |          |        |                 |               |                |           |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 3         |              |          |  |                 |                |              |          |          |           |      |       | 53       |           |          |          | _ _          |  |                         |                |           |                |               | 103        |            |                 |           |          |        |                 |               |                |           |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 4         | 1            |          |  |                 |                |              |          |          |           |      |       | 54       |           |          |          |              | $\perp$  |                         |                |           |                |               | 104        |            |                 |           |          |        |                 |               |                |           |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 5         | V            |          |  |                 |                |              |          |          |           |      |       | 55       |           |          |          |              | $\perp$  |                         |                |           |                |               | 105        |            |                 |           |          |        |                 | $\Box$        |                | Щ         |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 6         |              |          |  |                 |                |              |          |          | [         |      |       | 56       |           | _        |          |              |  |                         |                |           |                |               | 106        |            |                 |           |          |        |                 | $\bot$        |                |           |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 7         |              |          |  |                 |                | _            |          |          | _         |      |       | 57       |           | _        |          |              | <u> </u>   |                         |                |           |                |               | 107        |            |                 |           |          |        |                 |               |                |           |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 8         | ļ            |          |  |                 |                | _            |          |          |           |      |       | 58       |           |          |          |              |  |                         |                |           |                |               | 108        |            |                 |           |          |        |                 | $\dashv$      |                | _         |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 9         | ļ            |          |  |                 |                | _            | _        |          |           |      |       | 59       |           | _        |          |              |  |                         |                |           |                |               | 109        |            |                 |           |          |        |                 | $\rightarrow$ |                | $\dashv$  |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 10        | ļ            |          |  |                 |                |              |          |          |           |      |       | 60       |           |          |          | _ _          | <del> </del>                                     |                         |                |           |                |               | 110        |            |                 |           |          |        |                 |               |                |           |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
| <u> </u>               | 11        |              |          |  |                 |                |              |          |          |           |      |       | 61       |           | _ _      |          | 1_           | _  |                         |                | _         |                |               | 111        |            |                 |           |          |        |                 |               |                |           |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
| <b>  </b>              | 12        |              |          |  |                 |                |              |          |          |           |      |       | 62       |           |          |          | $\perp$      |  |                         | $\rightarrow$  |           | ::::::         |               | 112        | ļ          |                 | ļļ        |          |        | Щ               |               |                | _         |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
| $\vdash \vdash \vdash$ | 13        |              |          |  |                 | $\square$      |              |          |          |           |      |       | 63       |           |          |          | +            | _  |                         |                |           |                |               | 113        |            | $\square$       | $\square$ |          |        | Ш               |               |                | _         |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 14        | ./           |          |  | -               | <del>   </del> |              |          | <b>—</b> |           |      |       | 64       |           | $\dashv$ | _        | +            | -  | $\square$               | _              |           |                |               | 114        | <u> </u>   |                 |           |          |        |                 | $\rightarrow$ |                |           |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 15        | Y            |          |  |                 | ·              |              | _        |          |           |      |       | 65       |           | _        | _        | +            | ╀  |                         | _              |           |                |               | 115        |            |                 |           |          |        |                 | _             |                | _         |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 16        | H            |          |  | -               | $\sqcup$       |              | _        |          |           |      |       | 66       | $\square$ | +        | -        | +            |  |                         |                | _         |                |               | 116        | <u> </u>   | $\square$       |           |          |        |                 | _             |                |           |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 17        | 1            |          |  |                 | $\dashv$       | _            | _        |          | _         |      |       | 67       |           | _        | -        |              | <del> </del>                                     |                         | $\dashv$       |           |                |               | 117        |            |                 |           |          |        |                 |               | _              | _         |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 18        |              |          |  |                 |                | $\dashv$     | $\dashv$ |          |           |      |       | 68       | $\vdash$  | _        | +        | +            | +  |                         |                |           |                |               | 118        | _          |                 | $\Box$    |          |        |                 |               |                |           |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 19        | $oxed{oxed}$ |          |  |                 |                |              |          |          |           |      |       | 69       | $\vdash$  | $\perp$  | +        | _            | +  |                         | $\dashv$       | $\dashv$  |                |               | 119        |            |                 |           |          |        |                 | $\dashv$      | $\dashv$       | _         |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 20        | ╀            |          |  |                 |                | $\dashv$     |          |          |           |      |       | 70       |           |          | _ _      | $\perp$      | +  |                         | $\dashv$       |           |                |               | 120        | <b> </b> - |                 |           |          |        |                 | $\dashv$      | $\dashv$       | _         |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 21        | $oxed{oxed}$ |          |  |                 |                | $\dashv$     |          |          |           |      |       | 71       |           | -        | +        | +            | +  |                         | $\dashv$       | -         |                |               | 121        |            |                 |           |          |        |                 | $\dashv$      | $\dashv$       | _         |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 22        | ╀            |          |  |                 |                |              |          |          |           |      |       | 72       | -         |          | +        | _            | +  |                         |                |           | :::::}         |               | 122        | <b> </b>   |                 |           |          |        |                 | -             |                |           |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 23        | ╀            |          |  | $\square$       | -              | $\dashv$     | $\dashv$ | $\dashv$ | $\dashv$  |      |       | 73       |           | _        | +        | +            | +  |                         | $\dashv$       |           |                |               | 123        | <b> </b> - |                 |           |          |        |                 | $\dashv$      |                | $\dashv$  |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 24        | H            |          |  |                 |                |              |          |          |           |      |       | 74       |           | _        | +        | +            | +  | $\square$               | $\dashv$       |           |                |               | 124        |            |                 |           |          |        |                 |               |                | ᅴ         |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 25        | $\vdash$     |          |  |                 |                | $\dashv$     | $\dashv$ |          | $\dashv$  |      |       | 75       | $\vdash$  | $\dashv$ | +        | -            | ┼  |                         | <del>-  </del> | $\dashv$  |                |               | 125        |            | $\vdash$        |           |          |        |                 | -             |                | _         |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 26        | -            |          |  |                 |                |              |          |          |           |      |       | 76       |           |          |          | +            | ┼  | $\vdash \vdash$         | $\dashv$       | $\dashv$  |                |               | 126        | <u> </u>   |                 |           |          |        |                 | $\dashv$      |                |           |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
| $\longrightarrow$      | 27        | H            |          |  |                 |                | $\dashv$     |          |          |           |      |       | 77       |           | +        | +        | +            | +  |                         | $\dashv$       |           |                |               | 127        |            |                 |           |          |        |                 | _             |                | ᅴ         |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
| <del> </del>           | 28<br>29  | ₩            |          |  |                 |                | $\dashv$     | -        |          |           |      |       | 78<br>79 |           | -+       |          | -            | +  |                         | -              |           |                |               | 128        |            |                 |           |          |        |                 | -             |                |           |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
| $\vdash$               | 30        | ╁            |          |  |                 |                | -            |          |          |           |      |       | 80       |           | +        | +        | ╁            | +-   |                         | -              |           |                |               | 129        |            |                 |           | -        |        |                 |               |                | ᅴ         |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 31        | H            |          |  |                 |                | $\dashv$     |          |          |           |      |       | 81       |           | +        | +        | +            | +  | $\vdash$                | -              |           |                |               | 130<br>131 |            |                 |           | $\dashv$ |        | $\rightarrow$   |               |                | 긕         |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 32        | H            |          |  |                 |                | $\dashv$     |          |          |           |      |       | 82       |           |          |          |              | <del> </del>                                     | $\vdash$                | $\dashv$       | $\dashv$  |                |               | 132        |            |                 |           | $\dashv$ |        |                 | $\dashv$      | $\dashv$       | $\dashv$  |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
| <del></del>            | 33        | ╁╁╌          |          |  | $\vdash$        |                | $\dashv$     | $\dashv$ | $\dashv$ | $\neg$    |      |       | 83       |           | -        | ┯┼       | +            | ╁─   |                         |                |           | ::::: <b>!</b> |               | 133        |            |                 |           |          |        |                 | $\dashv$      | $\dashv$       | $\dashv$  |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 34        | H            |          |  |                 |                | $\dashv$     | $\dashv$ |          | $\dashv$  |      |       | 84       |           | +        | +        | +            | +  | $\vdash$                | -              | ᅱ         |                |               | 134        |            |                 |           |          |        |                 | <del></del>   |                | $\dashv$  |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 35        | +            |          |  | $\vdash \vdash$ | -              | -            | +        |          | $\neg$    |      |       | 85       | $\vdash$  | $\dashv$ | $\dashv$ |              | +  |                         |                | ∤         |                | $\overline{}$ | 135        |            | $\vdash \vdash$ |           |          |        |                 | $\dashv$      | _              | $\dashv$  |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 36        | 1            |          |  | $\square$       |                | $\dashv$     |          |          |           |      |       | 86       | -         | $\dashv$ | +        | <del> </del> | <del> </del>                                     | $\mid \rightarrow \mid$ |                | —         |                |               | 136        |            | $\vdash$        |           | $\dashv$ |        |                 | $\dashv$      | $\dashv$       | ᅱ         |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 37        | 7            |          |  |                 |                | -            |          | $\dashv$ |           |      |       | 87       |           | $\dashv$ | +        | +-           | +-   |                         | +              |           |                |               | 137        |            | $\vdash \vdash$ |           | -        |        | $\vdash \vdash$ | $\dashv$      | $\dashv$       | $\dashv$  |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 38        | $\vdash$     | $\vdash$ |  | -               | $\dashv$       |              |          | _        |           |      |       | 88       |           | _        |          | +            | 1-   |                         | +              |           |                |               | 138        | -          | $\vdash \vdash$ | $\vdash$  | $\dashv$ |        |                 | $\dashv$      |                | $\dashv$  |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 39        |              | -        |  | $\vdash$        |                | <del>-</del> | +        | $\neg$   | $\dashv$  |      |       | 89       |           | +        |          | +-           | +-   |                         | +              | $\dashv$  |                |               | 139        |            | $\vdash \vdash$ |           |          |        | <del>  </del>   |               | $\dashv$       | $\dashv$  |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
| <del>  </del>          | 40        |              |          |  |                 |                | $\dashv$     | $\dashv$ | $\dashv$ |           |      |       | 90       |           |          | $\dashv$ | +            | +  |                         | +              |           |                | $\neg$        | 140        |            |                 |           |          | $\neg$ |                 | -             | 1              | $\dashv$  |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 41        |              |          |  |                 |                | $\dashv$     | $\dashv$ | $\dashv$ | - 1       | :::: |       | 91       | $\forall$ |          | +        | 1            | <del>                                     </del> |                         | $\dashv$       |           |                |               | 141        |            |                 |           | _        |        | -               | +             | _              | $\dashv$  |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 42        |              |          |  |                 |                | _            | $\dashv$ | $\dashv$ | $\exists$ | :::: |       | 92       | $\forall$ | _        | $\top$   | +            |  |                         | _              |           |                |               | 142        |            |                 |           |          |        |                 | 十             | <del> </del>   | $\dashv$  |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 43        |              |          |  |                 |                | $\dashv$     | _        |          |           |      |       | 93       |           | $\top$   | $\top$   | 1            |  |                         |                |           |                |               | 143        |            |                 |           |          |        |                 | $\dashv$      | $\dashv$       | ᅱ         |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 44        |              |          |  |                 |                | $\dashv$     |          |          | $\dashv$  |      |       | 94       |           | 1        | _ _      |              | 1  |                         | 1              |           |                |               | 144        |            |                 |           |          | -      |                 | _             |                | $\dashv$  |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 45        |              |          |  |                 |                |              |          |          | - 1       |      |       | 95       |           | $\neg$   | _        |              |  |                         |                | $\exists$ |                |               | 145        |            |                 |           | <b></b>  |        |                 |               | $\neg$         | $\neg$    |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 46        |              |          |  |                 |                |              | _        |          |           |      |       | 96       |           | $\top$   | 1        |              |  |                         |                | $\dashv$  |                |               | 146        |            |                 |           | $\dashv$ | $\neg$ |                 | $\dashv$      |                | $\dashv$  |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 47        |              |          |  |                 |                |              |          |          | $\neg$    |      |       | 97       |           | $\top$   | _        |              |  |                         |                |           |                |               | 147        |            |                 |           |          |        |                 | _             | _              | $\neg$    |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 48        |              |          |  |                 | $\neg \dagger$ |              |          | $\neg$   |           |      |       | 98       |           | $\top$   |          |              |  |                         |                |           | :::::          |               | 148        |            |                 |           |          |        |                 | _             | $\neg \dagger$ | $\neg$    |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 49        |              |          |  |                 |                |              |          |          |           | :::: |       | 99       |           | 1        |          |              |  |                         |                |           | :::::          |               | 149        |            |                 |           |          |        |                 | $\neg$        |                | $\exists$ |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |
|                        | 50        |              |          |  |                 |                |              |          |          |           |      |       | 100      |           |          |          |              |  |                         |                |           |                |               | 150        |            |                 |           |          |        |                 |               |                | $\neg$    |  |  |  |  |      |  |  |  |  |  |      |  |  |  |  |  |            |  |  |  |  |  |  |  |  |     |      |  |  |  |  |  |  |  |  |